

EMB

Name of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettvhalli.

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR layout of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli.

Pre-Measurement Sheet

First and Final

Item No:	1						
Item Name:	Removing & Refixing stone slabs of drains and pointing in C.M (1:3)						
	CHAINAGE	NO's	L	B	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
For Drain							
Chikkasandra Village							
1st Cross Road (LHS)							
From Byralingappa Main Road	0.00	30.00	1	30.00	0.90	27.00	✓ for pointing new slabs c/c.
	30.00	60.00	1	30.00			
	60.00	86.00	1	26.00	0.90	23.40	
1st Cross Road(RHS)							
From Byralingappa Main Road	0.00	30.00	1	30.00	0.90	27.00	✓ c/c.
	30.00	60.00	1	30.00			
	60.00	86.00	1	26.00			
2nd Cross Road(RHS)							
From Byralingappa Main Road	0.00	30.00	1	30.00	0.90	27.00	✓ c/c.
	30.00	60.00	1	30.00			
	60.00	90.00	1	30.00			
	90.00	110.00	1	20.00	0.90	18.00	✓ c/c.
3rd Cross Road(LHS)							
From Byralingappa Main Road	0.00	30.00	1	30.00	0.90	27.00	✓ c/c.
	30.00	60.00	1	30.00			
	60.00	90.00	1	30.00			
	90.00	120.00	1	30.00	0.90	27.00	✓ c/c.
	120.00	141.00	1	21.00	0.90	18.90	
3rd Cross Road(RHS)							
From Byralingappa Main Road	0.00	30.00	1	30.00	0.90	27.00	✓ c/c.
	30.00	60.00	1	30.00	0.90	27.00	
	60.00	90.00	1	30.00			
	90.00	120.00	1	30.00			✓ c/c.
	120.00	141.00	1	21.00			
Connecting Road (Temple Road)(LHS)							
From 3rd to 6th Cross Road	0.00	30.00	1	30.00	0.90	27.00	✓ c/c.
	30.00	60.00	1	30.00	0.90	27.00	
	60.00	90.00	1	30.00			
	90.00	92.00	1	2.00			✓ c/c.

		CHAINAGE		NO's	L	B	D	QTY	REMARKS
		Land Mark			(m)	(m)	(m)		
Connecting Road (Temple Road)(RHS)									
From 3rd to 6th Cross Road	0.00	30.00	1 ✓	30.00	✓				
	30.00	60.00	1 ✓	30.00	✓				
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	95.00	1 ✓	5.00			0.90	4.50 ✓	35
4th Cross Road(LHS)									
From Byralingappa Main Road	0.00	30.00	1 ✓	30.00			0.90	27.00 ✓	25
	30.00	60.00	1 ✓	30.00			0.90	27.00 ✓	25
	60.00	90.00	1 ✓	30.00	✗				
	90.00	101.00	1 ✓	11.00	✗				
4th Cross Road(RHS)									
From Byralingappa Main Road	0.00	30.00	1 ✓	30.00	✗				
	30.00	60.00	1 ✓	30.00	✗				
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	101.00	1 ✓	11.00			0.90	9.90 ✓	25
5th Cross Road(LHS)									
From Temple Road	0.00	30.00	1 ✓	30.00			0.90	27.00 ✓	25
	30.00	60.00	1 ✓	30.00	✗				
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	103.00	1 ✓	13.00			0.90	11.70 ✓	25
5th Cross Road(RHS)									
From Temple Road	0.00	30.00	1 ✓	30.00			0.90	27.00 ✓	25
	30.00	60.00	1 ✓	30.00	✗				
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	103.00	1 ✓	13.00			0.90	11.70 ✓	25
6th Cross Road(LHS)									
From Byralingappa Main Road	0.00	30.00	1 ✓	30.00	✗				
	30.00	60.00	1 ✓	30.00	✗				
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	110.00	1 ✓	20.00			0.90	18.00 ✓	25
6th Cross Road(RHS)									
From Byralingappa Main Road	0.00	30.00	1 ✓	30.00			0.90	27.00 ✓	25
	30.00	60.00	1 ✓	30.00					
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	110.00	1 ✓	20.00			0.90	18.00 ✓	25
7th Cross Road(RHS)									
From Byralingappa Main Road	0.00	30.00	1 ✓	30.00			0.90	27.00 ✓	25
	30.00	60.00	1 ✓	30.00			0.90	27.00 ✓	25
	60.00	90.00	1 ✓	30.00			0.90	27.00 ✓	25
	90.00	120.00	1 ✓	30.00					
	120.00	140.00	1 ✓	20.00					
7th Cross Road(LHS)									

	CHAINAGE		NO's	L	B	D	QTY	REMARKS		
	Land Mark			(m)	(m)	(m)				
From Byralingappa Main Road	0.00	30.00	1	30.00		0.90	27.00	}		
	30.00	60.00	1	30.00		0.90	27.00			
	60.00	90.00	1	30.00	x					
	90.00	120.00	1	30.00	x					
	120.00	140.00	1	20.00		0.90	18.00		y	
10th Cross Road(LHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00		0.90	27.00		}	
	30.00	60.00	1	30.00		0.90	27.00			
	60.00	90.00	1	30.00	y					
	90.00	120.00	1	30.00		0.90	27.00			y
	120.00	150.00	1	30.00	x					
	150.00	180.00	1	30.00		0.90	27.00	y		
	180.00	210.00	1	30.00		0.90	27.00	y		
10th Cross Road (RHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00		0.90	27.00	}		
	30.00	60.00	1	30.00	x					
	60.00	90.00	1	30.00	x					
	90.00	120.00	1	30.00		0.90	27.00		y	
	120.00	150.00	1	30.00		0.90	27.00		y	
	150.00	180.00	1	30.00		0.90	27.00		y	
	180.00	210.00	1	30.00		0.90	27.00		y	
5th Cross Road (LHS)										
From 2nd Main Road	0.00	15.00	1	15.00		0.90	13.50		}	
	15.00	30.00	1	15.00	y					
5th Cross Road (RHS)										
From 2nd Main Road	0.00	15.00	1	15.00		0.90	13.50	}		
	15.00	30.00	1	15.00	x					
4th Cross Road (LHS)										
From 2nd Main Road	0.00	30.00	1	30.00		0.90	27.00			}
	30.00	60.00	1	30.00	x					
	60.00	64.00	1	4.00		0.90	3.60			
4th Cross Road (RHS)										
From 2nd Main Road	0.00	30.00	1	30.00		0.90	27.00		}	
	30.00	60.00	1	30.00		0.90	27.00			
	60.00	64.00	1	4.00	x					
4th Cross Road (LHS)										
From 4th Cross Road	0.00	23.00	1	23.00		0.90	20.70	}		
					x					
1st Cross Road(LHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00		0.90	27.00			}
	30.00	60.00	1	30.00		0.90	27.00			
	60.00	90.00	1	30.00		0.90	27.00			
	90.00	91.00	1	1.00	x					

	CHAINAGE		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
	Land Mark							
1st Cross Road(RHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00	x		27.00	
	60.00	90.00	1 ✓	30.00		0.90	27.00	
	90.00	91.00	1 ✓	1.00		0.90	0.90	
2nd Cross Road(LHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00		0.90	27.00	
	90.00	120.00	1 ✓	30.00	x			
	120.00	123.00	1 ✓	3.00		0.90	2.70	C 2.70
2nd Cross Road(RHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00		0.90	27.00	
	90.00	120.00	1 ✓	30.00	x			
	120.00	123.00	1 ✓	3.00	x			
3rd Cross Road(LHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00		0.90	27.00	
	90.00	103.00	1 ✓	13.00	x			
3rd Cross Road(RHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00	x			
	90.00	103.00	1 ✓	13.00		0.90	11.70	
5th Cross Road(LHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k C 2.70
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00	x			
	90.00	108.00	1 ✓	18.00	x			
5th Cross Road(RHS)								
From Sapthagiri Main Road	0.00	30.00	1 ✓	30.00		0.90	27.00	} k
	30.00	60.00	1 ✓	30.00		0.90	27.00	
	60.00	90.00	1 ✓	30.00		0.90	27.00	
	90.00	108.00	1 ✓	18.00	x			
5th A Cross Road (LHS)								
From 5th Cross	0.00	15.00	1 ✓					C 2.70
	15.00	30.00	1 ✓	15.00		0.90	13.50	
5th A Cross Road (RHS)								
From 5th Cross	0.00	15.00	1 ✓	15.00		0.90	13.50	k

	CHAINAGE		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
	Land Mark							
13th Cross Road ChikkSandra(RHS)								
From Sapthagiri Main Road	0.00	30.00	1	30.00		0.90	27.00	}
	30.00	60.00	1	30.00	x		27.00	
	60.00	90.00	1	30.00		0.90	27.00	
	90.00	120.00	1	30.00	x			
	120.00	150.00	1	30.00		0.90	27.00	
	150.00	160.00	1	10.00		0.90	9.00	
AGB Layout Main Road (LHS)								
From Agb Layout	0.00	30.00	1	30.00		0.90	27.00	}
	30.00	60.00	1	30.00		0.90	27.00	
	60.00	90.00	1	30.00		0.90	27.00	
	90.00	120.00	1	30.00	x			
	120.00	150.00	1	30.00	x			
	150.00	180.00	1	30.00		0.90	27.00	
	180.00	210.00	1	30.00		0.90	27.00	}
	210.00	240.00	1	30.00		0.90	27.00	
AGB Layout Main Road (RHS)								
From Agb Layout	0.00	30.00	1	30.00		0.90	27.00	}
	30.00	60.00	1	30.00		0.90	27.00	
	60.00	90.00	1	30.00		0.90	27.00	
	90.00	120.00	1	30.00	x			
	120.00	150.00	1	30.00		0.90	27.00	
	150.00	180.00	1	30.00	x			
	180.00	210.00	1	30.00		0.90	27.00	}
	210.00	240.00	1	30.00		0.90	27.00	
Total Qty Work Done							2787.30	Sqm
Qty Payable in this bill							2787.30	Sqm

K. Sreejith
20/5/22
Assistant Engineer
Ward No. 12
BBMP-Bengaluru

K. Sreejith
Asst. Executive Engineer (Sd/-)
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
Shettyhalli Sub Division
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
BBMP-Bengaluru
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BHURAT BENGALURU MAHANAGAR PALIKE
DASARAHALLI DIVISION

of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR
 out of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and
 Mahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12
 & 14 Shettyhalli.

Pre-Measurement Sheet
First and Part

Item No:	2	Pre-Measurement Sheet							
Item Name:		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.							
CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Earthwork For Roads									
Chikkasandra (Asphalt Road)									
1st Cross Road									
From Byralingappa Main Road	0.00	30.00	1	30.00	4.50	4.60	4.55	0.30	40.95
	30.00	60.00	1	30.00	4.60	4.50	4.55	0.30	40.95
	60.00	86.00	1	26.00	4.50	4.50	4.50	0.30	35.10
2nd Cross Road									
From Byralingappa Main Road	0.00	30.00	1	30.00	4.40	4.50	4.45	0.30	40.05
	30.00	60.00	1	30.00	4.50	4.60	4.55	0.30	40.95
	60.00	90.00	1	30.00	4.60	5.00	4.80	0.30	43.20
	90.00	110.00	1	20.00	5.00	5.80	5.40	0.30	32.40
3rd Cross Road									
From Byralingappa Main Road	0.00	30.00	1	30.00	5.20	5.20	5.20	0.30	46.80
	30.00	60.00	1	30.00	5.20	5.10	5.15	0.30	46.35
	60.00	90.00	1	30.00	5.10	5.20	5.15	0.30	46.35
	90.00	120.00	1	30.00	5.20	5.20	5.20	0.30	46.80
	120.00	141.00	1	21.00	5.20	5.10	5.15	0.30	32.45
Connecting Road (Temple Road)									
From 3rd to 6th Cross Road	0.00	30.00	1	30.00	5.50	5.60	5.55	0.30	49.95
	30.00	60.00	1	30.00	5.60	5.50	5.55	0.30	49.95
	60.00	90.00	1	30.00	5.50	5.80	5.65	0.30	50.85
	90.00	105.00	1	15.00	5.80	5.50	5.65	0.30	25.43
4th Cross Road									
From Byralingappa Main Road	0.00	30.00	1	30.00	4.80	4.60	4.70	0.30	42.30
	30.00	60.00	1	30.00	4.60	4.50	4.55	0.30	40.95
	60.00	90.00	1	30.00	4.50	4.40	4.45	0.30	40.05
	90.00	111.00	1	21.00	4.40	4.40	4.40	0.30	27.72
5th Cross Road									
From Temple Road	0.00	30.00	1	30.00	5.40	5.50	5.45	0.30	49.05
	30.00	60.00	1	30.00	5.50	5.50	5.50	0.30	49.50
	60.00	90.00	1	30.00	5.50	5.60	5.55	0.30	49.95
	90.00	117.00	1	27.00	5.60	5.60	5.60	0.30	45.36
6th Cross Road									
From Byralingappa Main Road	0.00	30.00	1	30.00	5.60	5.60	5.60	0.30	50.40
	30.00	60.00	1	30.00	5.60	5.80	5.70	0.30	51.30
	60.00	90.00	1	30.00	5.80	6.00	5.90	0.30	53.10

CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
Land Mark									
90.00	120.00	1	30.00	6.00	6.40	6.20	0.30	55.80	
7th Cross Road									
From Peralingappa Main Road	0.00	30.00	1	30.00	5.70	6.10	5.90	0.30	57.10
	30.00	60.00	1	30.00	6.10	6.10	6.10	0.30	58.90
	60.00	90.00	1	30.00	6.10	6.20	6.15	0.30	59.35
	90.00	120.00	1	30.00	6.20	6.00	6.10	0.30	58.90
	120.00	150.00	1	30.00	6.00	5.60	5.80	0.30	58.20
	150.00	154.00	1	4.00	5.60	5.55	5.58	0.30	6.69
10th Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	4.60	4.80	4.70	0.30	42.30
	30.00	60.00	1	30.00	4.80	5.10	4.95	0.30	44.55
	60.00	90.00	1	30.00	5.10	5.00	5.05	0.30	45.45
	90.00	120.00	1	30.00	5.00	5.10	5.05	0.30	45.45
	120.00	150.00	1	30.00	5.10	5.00	5.05	0.30	45.45
	150.00	180.00	1	30.00	5.00	4.80	4.90	0.30	44.10
	180.00	210.00	1	30.00	4.80	4.80	4.80	0.30	43.20
	210.00	224.00	1	14.00	4.80	4.70	4.75	0.30	19.95
2nd Main Road									
From 8th Cross Road	0.00	30.00	1	30.00	6.90	7.20	7.05	0.30	63.45
	30.00	38.00	1	8.00	7.20	7.40	7.30	0.30	17.52
Parking Area	0.00	2.00	1	2.00	13.90	13.00	13.45	0.30	8.97
Towards Aparatment	0.00	30.00	1	30.00	6.20	6.40	6.30	0.30	58.70
	30.00	60.00	1	30.00	6.40	6.00	6.20	0.30	55.80
5th Cross Road									
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.30	37.35
4th Cross Road									
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.30	37.35
	30.00	60.00	1	30.00	4.20	4.50	4.35	0.30	39.15
	60.00	64.00	1	4.00	4.50	4.50	4.50	0.30	5.40
4th Cross Road (LHS)									
From 4th Cross Road	0.00	23.00	1	23.00	4.10	3.90	4.00	0.30	27.60
Diamond Enclave Front Road									
From 2nd Main Road	0.00	30.00	1	30.00	3.70	4.00	3.85	0.30	34.65
	30.00	36.80	1	6.80	4.00	4.40	4.20	0.30	8.57
1st Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	0.30	49.95
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.30	49.95
	60.00	90.00	1	30.00	5.60	5.60	5.60	0.30	50.40
2nd Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.50	5.50	5.50	0.30	49.50
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.30	49.95
	60.00	90.00	1	30.00	5.60	5.60	5.60	0.30	50.40
	90.00	115.00	1	25.00	5.60	5.50	5.55	0.30	41.63
3rd Cross Road									
From Sapthagiri	0.00	30.00	1	30.00	5.60	5.50	5.55	0.30	49.95

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
60.00	90.00	1	30.00	2.00	2.00	2.00	0.30	18.00	
90.00	120.00	1	30.00	2.00	2.00	2.00	0.30	18.00	
120.00	150.00	1	30.00	2.00	2.00	2.00	0.30	18.00	
150.00	180.00	1	30.00	2.00	2.00	2.00	0.30	18.00	
180.00	210.00	1	30.00	2.50	2.50	2.50	0.30	22.50	
210.00	240.00	1	30.00	2.50	2.50	2.50	0.30	22.50	
240.00	270.00	1	30.00	2.50	2.50	2.50	0.30	22.50	
270.00	300.00	1	30.00	2.50	2.50	2.50	0.30	22.50	
300.00	327.00	1	27.00	2.50	2.50	2.50	0.30	20.25	

AGB Layout Main Road (RHS)(Cut Portion)

From Agb Layout	0.00	30.00	1	30.00	4.00	4.00	4.00	0.30	36.00	
	30.00	60.00	1	30.00	4.00	4.10	4.05	0.30	36.45	
	60.00	90.00	1	30.00	4.10	4.10	4.10	0.30	36.90	
	90.00	120.00	1	30.00	4.10	4.20	4.15	0.30	37.35	
	120.00	150.00	1	30.00	4.20	4.00	4.10	0.30	36.90	
	150.00	180.00	1	30.00	4.00	4.10	4.05	0.30	36.45	
	180.00	210.00	1	30.00	4.10	4.20	4.15	0.30	37.35	
	210.00	240.00	1	30.00	4.20	4.10	4.15	0.30	37.35	
	240.00	270.00	1	30.00	4.10	4.10	4.10	0.30	36.90	
	270.00	300.00	1	30.00	4.10	4.20	4.15	0.30	37.35	
	300.00	327.00	1	27.00	4.20	4.00	4.10	0.30	33.21	

Earthwork For Bwssb Cutting

Chikksandra Village (Asphalt Road)

1st Cross Road

From Byralingappa Main Road	0.00	30.00	2	30.00			0.80	0.40	19.20	
	30.00	60.00	2	30.00			0.80	0.40	19.20	
	60.00	86.00	2	26.00			0.80	0.40	16.64	

2nd Cross Road

From Byralingappa Main Road	0.00	30.00	2	30.00			0.80	0.40	19.20	
	30.00	60.00	2	30.00			0.80	0.40	19.20	
	60.00	90.00	2	30.00			0.80	0.40	19.20	
	90.00	110.00	2	20.00			0.80	0.40	12.80	

3rd Cross Road

From Byralingappa Main Road	0.00	30.00	2	30.00			0.80	0.40	19.20	
	30.00	60.00	2	30.00			0.80	0.40	19.20	
	60.00	90.00	2	30.00			0.80	0.40	19.20	
	90.00	120.00	2	30.00			0.80	0.40	19.20	
	120.00	141.00	2	21.00			0.80	0.40	13.44	

Connecting Road (Temple Road)

From 3rd to 6th Cross Road	0.00	30.00	2	30.00			0.80	0.40	19.20	
	30.00	60.00	2	30.00			0.80	0.40	19.20	
	60.00	90.00	2	30.00			0.80	0.40	19.20	
	90.00	105.00	2	15.00			0.80	0.40	9.60	

4th Cross Road

From Byralingappa Main Road	0.00	30.00	2	30.00			0.80	0.40	19.20	
	30.00	60.00	2	30.00			0.80	0.40	19.20	
	60.00	90.00	2	30.00			0.80	0.40	19.20	
	90.00	111.00	2	21.00			0.80	0.40	13.44	

5th Cross Road

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
	120.00	150.00	2 ✓	30.00		0.80	0.40	19.20	
	150.00	180.00	2 ✓	30.00		0.80	0.40	19.20	
	180.00	210.00	2 ✓	30.00		0.80	0.40	19.20	
	210.00	240.00	2 ✓	30.00		0.80	0.40	19.20	
	240.00	242.00	2 ✓	2.00		0.80	0.40	1.28	

Disilting For Drain

Chikksandra Village

1st Cross Road (LHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	86.00	1 ✓	26.00 ✓			0.45 ✓	0.25 ✓	2.93 ✓	

1st Cross Road(RHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	86.00	1 ✓	26.00 ✓			0.45 ✓	0.25 ✓	2.93 ✓	

2nd Cross Road(RHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	110.00	1 ✓	20.00 ✓			0.45 ✓	0.25 ✓	2.25 ✓	

3rd Cross Road(LHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	120.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	120.00	141.00	1 ✓	21.00 ✓			0.45 ✓	0.25 ✓	2.36 ✓	

3rd Cross Road(RHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	120.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	120.00	141.00	1 ✓	21.00 ✓			0.45 ✓	0.25 ✓	2.36 ✓	

Connecting Road (Temple Road)(LHS)

From 3rd to 6th Cross Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	92.00	1 ✓	2.00 ✓			0.45 ✓	0.25 ✓	0.23 ✓	

Connecting Road (Temple Road)(RHS)

From 3rd to 6th Cross Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	95.00	1 ✓	5.00 ✓			0.45 ✓	0.25 ✓	0.56 ✓	

4th Cross Road(LHS)

From Byralingappa Main Road	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	30.00	60.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	60.00	90.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
	90.00	101.00	1 ✓	11.00 ✓			0.45 ✓	0.25 ✓	1.24 ✓	

4th Cross Road(RHS)

From	0.00	30.00	1 ✓	30.00 ✓			0.45 ✓	0.25 ✓	3.38 ✓	
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CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS	
Land Mark										
	180.00	210.00	1	30.00			0.45	0.25	3.38	
5th Cross Road (LHS)										
From 2nd Main Road	0.00	30.00	1	30.00			0.45	0.25	0.00	
									3.38	
5th Cross Road (RHS)										
From 2nd Main Road	0.00	30.00	1	30.00			0.45	0.25	0.00	
									3.38	
4th Cross Road (LHS)										
From 2nd Main Road	0.00	30.00	1	30.00			0.45	0.25	0.00	3.38
	30.00	60.00	1	30.00			0.45	0.25	0.00	3.38
	60.00	64.00	1	4.00			0.45	0.25	0.00	0.45
4th Cross Road (RHS)										
From 2nd Main Road	0.00	30.00	1	30.00			0.45	0.25	0.00	3.38
	30.00	60.00	1	30.00			0.45	0.25	0.00	3.38
	60.00	64.00	1	4.00			0.45	0.25	0.00	0.45
4th Cross Road (LHS)										
From 4th Cross Road	0.00	23.00	1	23.00			0.45	0.25	0.00	2.59
1st Cross Road(LHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	91.00	1	1.00			0.45	0.25	0.11	
1st Cross Road(RHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	91.00	1	1.00			0.45	0.25	0.11	
2nd Cross Road(LHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	120.00	1	30.00			0.45	0.25	3.38	
	120.00	123.00	1	3.00			0.45	0.25	0.34	
2nd Cross Road(RHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	120.00	1	30.00			0.45	0.25	3.38	
	120.00	123.00	1	3.00			0.45	0.25	0.34	
3rd Cross Road(LHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	103.00	1	13.00			0.45	0.25	1.46	
3rd Cross Road(RHS)										
From Sapthagiri Main Road	0.00	30.00	1	30.00			0.45	0.25	3.38	
	30.00	60.00	1	30.00			0.45	0.25	3.38	
	60.00	90.00	1	30.00			0.45	0.25	3.38	
	90.00	103.00	1	13.00			0.45	0.25	1.46	

		CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
		Land Mark			(m)	(m)	(m)	(m)	(m)		
5th Cross Road(LHS)											
From Saphagiri Main Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	108.00	1	18.00				0.45	0.25	2.03	
5th Cross Road(RHS)											
From Saphagiri Main Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	108.00	1	18.00				0.45	0.25	2.03	
5th A Cross Road (LHS)											
From 5th Cross	0.00	30.00	1	30.00				0.45	0.25	3.38	
5th A Cross Road (RHS)											
From 5th Cross	0.00	30.00	1	30.00				0.45	0.25	3.38	
7th Cross Road(LHS)											
From Saphagiri Main Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	97.00	1	7.00				0.45	0.25	0.79	
7th Cross Road(RHS)											
From Saphagiri Main Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	97.00	1	7.00				0.45	0.25	0.79	
Chef Bakers Road(LHS)											
From Hesaragatta Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	95.00	1	5.00				0.45	0.25	0.56	
Chef Bakers Road(RHS)											
From Hesaragatta Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	95.00	1	5.00				0.45	0.25	0.56	
10th A Main (AGB Layout)(LHS)											
From Hesaragatta Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	120.00	1	30.00				0.45	0.25	3.38	
	120.00	150.00	1	30.00				0.45	0.25	3.38	
	150.00	160.00	1	10.00				0.45	0.25	1.13	
10th A Main (AGB Layout)(RHS)											
From Hesaragatta Road	0.00	30.00	1	30.00				0.45	0.25	3.38	
	30.00	60.00	1	30.00				0.45	0.25	3.38	
	60.00	90.00	1	30.00				0.45	0.25	3.38	
	90.00	120.00	1	30.00				0.45	0.25	3.38	
	120.00	150.00	1	30.00				0.45	0.25	3.38	
	150.00	160.00	1	10.00				0.45	0.25	1.13	
13th Cross Road ChikkSandra(LHS)											

CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
Land Mark									
Sapthagiri Main Road	0.00	30.00	1	30.00					
	30.00	60.00	1	30.00		0.45	0.25	3.38	
	60.00	90.00	1	30.00		0.45	0.25	3.38	
	90.00	120.00	1	30.00		0.45	0.25	3.38	
	120.00	150.00	1	30.00		0.45	0.25	3.38	
	150.00	160.00	1	10.00		0.45	0.25	1.13	
13th Cross Road ChikkSandra(RHS)									
From Sapthagiri Main Road	0.00	30.00	1	30.00		0.45	0.25	3.38	
	30.00	60.00	1	30.00		0.45	0.25	3.38	
	60.00	90.00	1	30.00		0.45	0.25	3.38	
	90.00	120.00	1	30.00		0.45	0.25	3.38	
	120.00	150.00	1	30.00		0.45	0.25	3.38	
	150.00	160.00	1	10.00		0.45	0.25	1.13	
AGB Layout Main Road (LHS)									
From Agb Layout	0.00	30.00	1	30.00		0.45	0.25	3.38	
	30.00	60.00	1	30.00		0.45	0.25	3.38	
	60.00	90.00	1	30.00		0.45	0.25	3.38	
	90.00	120.00	1	30.00		0.45	0.25	3.38	
	120.00	150.00	1	30.00		0.45	0.25	3.38	
	150.00	180.00	1	30.00		0.45	0.25	3.38	
	180.00	210.00	1	30.00		0.45	0.25	3.38	
	210.00	240.00	1	30.00		0.45	0.25	3.38	
AGB Layout Main Road (RHS)									
From Agb Layout	0.00	30.00	1	30.00		0.45	0.25	3.38	
	30.00	60.00	1	30.00		0.45	0.25	3.38	
	60.00	90.00	1	30.00		0.45	0.25	3.38	
	90.00	120.00	1	30.00		0.45	0.25	3.38	
	120.00	150.00	1	30.00		0.45	0.25	3.38	
	150.00	180.00	1	30.00		0.45	0.25	3.38	
	180.00	210.00	1	30.00		0.45	0.25	3.38	
	210.00	240.00	1	30.00		0.45	0.25	3.38	
Total Qty Work Done								7526.42	Cum
Qty Payable in this bill								7526.42	Cum

7550.16 cum,

K. S. C. C. C. S. S. S.
11/6/2020 4/6/2022
Assistant Engineer
Ward No. 12
BBMP-Bengaluru

K. S. C. C. C. S. S. S.
ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
Shettyhalli Sub Division
BBMP-Bengaluru
ಜಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

DABARHALLI DIVISION

Pre-Measurement Sheet

First and

Item No	9	First and							
Item Name:	Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet 1 surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.								
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
Scarifying Existing Asphalt For Roads									
Chikkasandra (Asphalt Road)									
1st Cross Road									
From	0.00	30.00	1	30.00	4.50	4.60	4.55	136.50	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	136.50	
Main Road	60.00	86.00	1	26.00	4.50	4.50	4.50	117.00	
2nd Cross Road									
From	0.00	30.00	1	30.00	4.40	4.50	4.45	133.50	
Byralingappa	30.00	60.00	1	30.00	4.50	4.60	4.55	136.50	
Main Road	60.00	90.00	1	30.00	4.60	5.00	4.80	144.00	
	90.00	110.00	1	20.00	5.00	5.80	5.40	108.00	
3rd Cross Road									
From	0.00	30.00	1	30.00	5.20	5.20	5.20	156.00	
Byralingappa	30.00	60.00	1	30.00	5.20	5.10	5.15	154.50	
Main Road	60.00	90.00	1	30.00	5.10	5.20	5.15	154.50	
	90.00	120.00	1	30.00	5.20	5.20	5.20	156.00	
	120.00	141.00	1	21.00	5.20	5.10	5.15	108.15	
Connecting Road (Temple Road)									
From 3rd to 6th	0.00	30.00	1	30.00	5.50	5.60	5.55	166.50	
Cross Road	30.00	60.00	1	30.00	5.60	5.50	5.55	166.50	
	60.00	90.00	1	30.00	5.50	5.80	5.65	169.50	
	90.00	105.00	1	15.00	5.80	5.50	5.65	84.75	
4th Cross Road									
From	0.00	30.00	1	30.00	4.80	4.60	4.70	141.00	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	136.50	
Main Road	60.00	90.00	1	30.00	4.50	4.40	4.45	133.50	
	90.00	111.00	1	21.00	4.40	4.40	4.40	92.40	
5th Cross Road									
From Temple	0.00	30.00	1	30.00	5.40	5.50	5.45	163.50	
Road	30.00	60.00	1	30.00	5.50	5.50	5.50	165.00	
	60.00	90.00	1	30.00	5.50	5.60	5.55	166.50	
	90.00	117.00	1	27.00	5.60	5.60	5.60	151.20	
6th Cross Road									
From	0.00	30.00	1	30.00	5.60	5.60	5.60	168.00	
Byralingappa	30.00	60.00	1	30.00	5.60	5.80	5.70	171.00	
Main Road	60.00	90.00	1	30.00	5.80	6.00	5.90	177.00	
	90.00	120.00	1	30.00	6.00	6.40	6.20	186.00	
7th Cross Road									

CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS
Land Mark									
From Sathagappa Main Road	0.00	30.00	1	30.00	5.70	6.10	5.90	177.00	}
	30.00	60.00	1	30.00	6.10	6.10	6.10	183.00	
	60.00	90.00	1	30.00	6.10	6.20	6.15	184.50	
	90.00	120.00	1	30.00	6.20	6.00	6.10	183.00	
	120.00	150.00	1	30.00	6.00	5.60	5.80	174.00	
	150.00	154.00	1	4.00	5.60	5.55	5.58	22.30	
10th Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	4.60	4.80	4.70	141.00	}
	30.00	60.00	1	30.00	4.80	5.10	4.95	148.50	
	60.00	90.00	1	30.00	5.10	5.00	5.05	151.50	
	90.00	120.00	1	30.00	5.00	5.10	5.05	151.50	
	120.00	150.00	1	30.00	5.10	5.00	5.05	151.50	
	150.00	180.00	1	30.00	5.00	4.80	4.90	147.00	
	180.00	210.00	1	30.00	4.80	4.80	4.80	144.00	
	210.00	224.00	1	14.00	4.80	4.70	4.75	66.50	
2nd Main Road									
From 8th Cross Road	0.00	30.00	1	30.00	6.90	7.20	7.05	211.50	}
	30.00	38.00	1	8.00	7.20	7.40	7.30	58.40	
Parking Area	0.00	2.00	1	2.00	13.90	13.00	13.45	26.90	
Towards Aparatment	0.00	30.00	1	30.00	6.20	6.40	6.30	189.00	}
	30.00	60.00	1	30.00	6.40	6.00	6.20	186.00	
5th Cross Road									
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	124.50	}
4th Cross Road									
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	124.50	}
	30.00	60.00	1	30.00	4.20	4.50	4.35	130.50	
	60.00	64.00	1	4.00	4.50	4.50	4.50	18.00	
4th Cross Road (LHS)									
From 4th Cross Road	0.00	23.00	1	23.00	4.10	3.90	4.00	92.00	}
Diamond Enclave Front Road									
From 2nd Main Road	0.00	30.00	1	30.00	3.70	4.00	3.85	115.50	}
	30.00	36.80	1	6.80	4.00	4.40	4.20	28.56	
1st Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	166.50	}
	30.00	60.00	1	30.00	5.50	5.60	5.55	166.50	
	60.00	90.00	1	30.00	5.60	5.60	5.60	168.00	
2nd Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.50	5.50	5.50	165.00	}
	30.00	60.00	1	30.00	5.50	5.60	5.55	166.50	
	60.00	90.00	1	30.00	5.60	5.60	5.60	168.00	
	90.00	115.00	1	25.00	5.60	5.50	5.55	138.75	
3rd Cross Road									
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	166.50	}
	30.00	60.00	1	30.00	5.50	5.60	5.55	166.50	
	60.00	90.00	1	30.00	5.60	5.40	5.50	165.00	
	90.00	116.00	1	26.00	5.40	5.30	5.35	139.10	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
180.00	210.00	1	30.00	9.00	9.20	9.10		273.00	
210.00	240.00	1	30.00	9.20	9.40	9.30		279.00	
240.00	270.00	1	30.00	9.40	9.60	9.50		285.00	
270.00	300.00	1	30.00	9.60	9.80	9.70		279.00	
300.00	327.00	1	27.00	9.00	9.00	9.00		243.00	

Total Qty Work Done	18849.51	Sqm
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Qty Payable in this bill	18849.51	Bgm
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Name:	Laeding Charges for Scarified Quantity
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10

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18849.51

0.5%

1979.

Total Qty Work Done	1507.96	Cum
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Qty Payable in this bill	1507.96	Cum
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Kscoer on
28/5/22 to
02/6/22

Assistant Engineer
Ward No. 12
BBMP-Bengaluru

Asst Executive Engineer
Shettyhalli Sub Division
BBMP - Bengaluru
ಬೆಂಗಳೂರು, 20/03/2020

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and Shettyhalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12 & 14 Shettyhalli.

Pre-Measurement Sheet

First and Last

Item No:	12												
Item Name:	Providing and filling Stone dust in Foundation to required depth for Sub Soil treatment including watering ramming with all lead and lift complete as per specification												
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS				
	Land Mark		(m)	(m)	(m)	(m)	(m)						
BWSSB Cutting													
Chikkasandra (Asphalt Road)													
1st Cross Road													
From Byralingappa Main Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	86.00	2	26.00		0.80	0.20	8.32					
2nd Cross Road													
From Byralingappa Main Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					
	90.00	110.00	2	20.00		0.80	0.20	6.40	}				
3rd Cross Road													
From Byralingappa Main Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					
	90.00	120.00	2	30.00		0.80	0.20	9.60	}				
	120.00	141.00	2	21.00		0.80	0.20	6.72					
Connecting Road (Temple Road)													
From 3rd to 6th Cross Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					
	90.00	105.00	2	15.00		0.80	0.20	4.80	}				
4th Cross Road													
From Byralingappa Main Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					
	90.00	111.00	2	21.00		0.80	0.20	6.72	}				
5th Cross Road													
From Temple Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					
	90.00	117.00	2	27.00		0.80	0.20	8.64	}				
6th Cross Road													
From Byralingappa Main Road	0.00	30.00	2	30.00		0.80	0.20	9.60	}				
	30.00	60.00	2	30.00		0.80	0.20	9.60					
	60.00	90.00	2	30.00		0.80	0.20	9.60					

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
90.00	120.00	2	30.00			0.80	0.20	9.60	}
120.00	150.00	2	30.00			0.80	0.20	9.60	
150.00	180.00	2	30.00			0.80	0.20	9.60	
180.00	210.00	2	30.00			0.80	0.20	9.60	
210.00	213.00	2	3.00			0.80	0.20	0.96	
1st Main Road									
0.00	30.00	2	30.00			0.80	0.20	9.60	}
30.00	60.00	2	30.00			0.80	0.20	9.60	
60.00	90.00	2	30.00			0.80	0.20	9.60	
90.00	120.00	2	30.00			0.80	0.20	9.60	
120.00	150.00	2	30.00			0.80	0.20	9.60	
150.00	180.00	2	30.00			0.80	0.20	9.60	
180.00	210.00	2	30.00			0.80	0.20	9.60	
210.00	240.00	2	30.00			0.80	0.20	9.60	
240.00	242.00	2	2.00			0.80	0.20	0.64	
Total Qty Work Done								4387.01	Cum
Qty Payable in this bill								4387.01	Cum

Excision
18/6/2022
18/7/2022
 Assistant Engineer
 Ward No. 12
 BBMP-Bengaluru

Excision
 Assistant Executive Engineer
 Shettihalli Sub Division
 BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Restoration and Improvements of roads and drains in A Y K Layout, Shettyhalli village, RR layout of Chikkasandra village and Abigere village roads, BT's Village, Vishveshwariah village, Royal Enclave and Sidedahalli Old Village roads Dugged by BWSB to lay water supply and U/D lines under 110 villages in ward No 12 & 14 Shettyhalli.

Pre-Measurement Sheet

First and Part

Item No:	17								
Item Name:	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.								
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)	(m)	(m)		
AGB Layout Main Road									
From Agb Layout	0.00	30.00	1	30.00	9.00	9.10	9.05	271.50	}
	30.00	60.00	1	30.00	9.10	9.00	9.05	271.50	
	60.00	90.00	1	30.00	9.00	9.20	9.10	273.00	
	90.00	120.00	1	30.00	9.20	9.10	9.15	274.50	
	120.00	150.00	1	30.00	9.10	9.00	9.05	271.50	
	150.00	180.00	1	30.00	9.00	9.00	9.00	270.00	
	180.00	210.00	1	30.00	9.00	9.20	9.10	273.00	
	210.00	240.00	1	30.00	9.20	9.40	9.30	279.00	
	240.00	270.00	1	30.00	9.40	9.60	9.50	285.00	
	270.00	300.00	1	30.00	9.60	9.00	9.30	279.00	
	300.00	327.00	1	27.00	9.00	9.00	9.00	243.00	
Total Qty Work Done								2991.00	Sqm
Qty Payable in this bill								2991.00	Sqm

Assistant Engineer
Ward No. 12
BBMP-Bengaluru

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR
 ut of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and
 ahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12
 & 14 Shettyhalli.

Pre-Measurement Sheet

First and Part

Item No:	19									
Item Name:	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.- do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II Cum (50 mm to 75 mm) with 4.5 % VG-30 Bitumen									
	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
BM										
Chikksandra (Asphalt Road)										
1st Cross Road										
From	0.00	30.00	1	30.00	4.50	4.60	4.55	0.05	6.83	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	0.05	6.83	
Main Road	60.00	86.00	1	26.00	4.50	4.50	4.50	0.05	5.85	
2nd Cross Road										
From	0.00	30.00	1	30.00	4.40	4.50	4.45	0.05	6.68	
Byralingappa	30.00	60.00	1	30.00	4.50	4.60	4.55	0.05	6.83	
Main Road	60.00	90.00	1	30.00	4.60	5.00	4.80	0.05	7.20	
	90.00	110.00	1	20.00	5.00	5.80	5.40	0.05	5.40	
3rd Cross Road										
From	0.00	30.00	1	30.00	5.20	5.20	5.20	0.05	7.80	
Byralingappa	30.00	60.00	1	30.00	5.20	5.10	5.15	0.05	7.73	
Main Road	60.00	90.00	1	30.00	5.10	5.20	5.15	0.05	7.73	
	90.00	120.00	1	30.00	5.20	5.20	5.20	0.05	7.80	
	120.00	141.00	1	21.00	5.20	5.10	5.15	0.05	5.41	
Connecting Road (Temple Road)										
From 3rd to 6th	0.00	30.00	1	30.00	5.50	5.60	5.55	0.05	8.33	
Cross Road	30.00	60.00	1	30.00	5.60	5.50	5.55	0.05	8.33	
	60.00	90.00	1	30.00	5.50	5.80	5.65	0.05	8.48	
	90.00	105.00	1	15.00	5.80	5.50	5.65	0.05	4.24	
4th Cross Road										
From	0.00	30.00	1	30.00	4.80	4.60	4.70	0.05	7.05	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	0.05	6.83	
Main Road	60.00	90.00	1	30.00	4.50	4.40	4.45	0.05	6.68	
	90.00	111.00	1	21.00	4.40	4.40	4.40	0.05	4.62	
5th Cross Road										
From Temple	0.00	30.00	1	30.00	5.40	5.50	5.45	0.05	8.18	
Road	30.00	60.00	1	30.00	5.50	5.50	5.50	0.05	8.25	
	60.00	90.00	1	30.00	5.50	5.60	5.55	0.05	8.33	
	90.00	117.00	1	27.00	5.60	5.60	5.60	0.05	7.56	
6th Cross Road										
From	0.00	30.00	1	30.00	5.60	5.60	5.60	0.05	8.40	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Byralingappa Main Road	30.00	60.00	1	30.00	5.60	5.80	5.70	0.05	8.55	
	60.00	90.00	1	30.00	5.80	6.00	5.90	0.05	8.85	
	90.00	120.00	1	30.00	6.00	6.40	6.20	0.05	9.30	
7th Cross Road										
From Byralingappa Main Road	0.00	30.00	1	30.00	5.70	6.10	5.90	0.05	8.85	
	30.00	60.00	1	30.00	6.10	6.10	6.10	0.05	9.15	
	60.00	90.00	1	30.00	6.10	6.20	6.15	0.05	9.23	
	90.00	120.00	1	30.00	6.20	6.00	6.10	0.05	9.15	
	120.00	150.00	1	30.00	6.00	5.60	5.80	0.05	8.70	
	150.00	154.00	1	4.00	5.60	5.55	5.58	0.05	1.12	
10th Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	4.60	4.80	4.70	0.05	7.05	
	30.00	60.00	1	30.00	4.80	5.10	4.95	0.05	7.43	
	60.00	90.00	1	30.00	5.10	5.00	5.05	0.05	7.58	
	90.00	120.00	1	30.00	5.00	5.10	5.05	0.05	7.58	
	120.00	150.00	1	30.00	5.10	5.00	5.05	0.05	7.58	
	150.00	180.00	1	30.00	5.00	4.80	4.90	0.05	7.35	
	180.00	210.00	1	30.00	4.80	4.80	4.80	0.05	7.20	
	210.00	224.00	1	14.00	4.80	4.70	4.75	0.05	3.33	
2nd Main Road										
From 8th Cross Road	0.00	30.00	1	30.00	6.90	7.20	7.05	0.05	10.58	
	30.00	38.00	1	8.00	7.20	7.40	7.30	0.05	2.92	
Parking Area	0.00	2.00	1	2.00	13.90	13.00	13.45	0.05	1.35	
Towards Aparatment	0.00	30.00	1	30.00	6.20	6.40	6.30	0.05	9.45	
	30.00	60.00	1	30.00	6.40	6.00	6.20	0.05	9.30	
5th Cross Road										
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.05	6.23	
4th Cross Road										
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.05	6.23	
	30.00	60.00	1	30.00	4.20	4.50	4.35	0.05	6.53	
	60.00	64.00	1	4.00	4.50	4.50	4.50	0.05	0.90	
4th Cross Road (LHS)										
From 4th Cross Road	0.00	23.00	1	23.00	4.10	3.90	4.00	0.05	4.60	
Diamond Enclave Front Road										
From 2nd Main Road	0.00	30.00	1	30.00	3.70	4.00	3.85	0.05	5.78	
	30.00	36.80	1	6.80	4.00	4.40	4.20	0.05	1.43	
1st Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	0.05	8.33	
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.05	8.33	
	60.00	90.00	1	30.00	5.60	5.60	5.60	0.05	8.40	
2nd Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.50	5.50	5.50	0.05	8.25	
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.05	8.33	
	60.00	90.00	1	30.00	5.60	5.60	5.60	0.05	8.40	

CHAINAGE			NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)		(m)	(m)	(m)	(m)			
	90.00	115.00	1	25.00	5.60	5.50	5.55	0.05	6.94	
3rd Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	0.05	8.33	
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.05	8.33	
	60.00	90.00	1	30.00	5.60	5.40	5.50	0.05	8.25	
	90.00	116.00	1	26.00	5.40	5.30	5.35	0.05	6.96	
5th Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.80	5.60	5.70	0.05	8.55	
	30.00	60.00	1	30.00	5.60	5.50	5.55	0.05	8.33	
	60.00	90.00	1	30.00	5.50	5.50	5.50	0.05	8.25	
	90.00	115.00	1	25.00	5.50	5.60	5.55	0.05	6.94	
5th A Cross Road										
From 5th Cross	0.00	30.00	1	30.00	5.80	5.60	5.70	0.05	8.55	
7th Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.00	4.90	4.95	0.05	7.43	
	30.00	60.00	1	30.00	4.90	4.80	4.85	0.05	7.28	
	60.00	90.00	1	30.00	4.80	5.00	4.90	0.05	7.35	
	90.00	97.00	1	7.00	5.00	5.10	5.05	0.05	1.77	
Chef Bakers Road										
From Hesaragatta Road	0.00	30.00	1	30.00	5.80	6.00	5.90	0.05	8.55	
	30.00	60.00	1	30.00	6.00	6.00	6.00	0.05	9.00	
	60.00	90.00	1	30.00	6.00	6.10	6.05	0.05	9.08	
	90.00	103.00	1	13.00	6.10	6.20	6.15	0.05	4.00	
10th A Main (AGB Layout)										
From Hesaragatta Road	0.00	30.00	1	30.00	6.00	6.50	6.25	0.05	9.38	
	30.00	60.00	1	30.00	6.50	7.40	6.95	0.05	10.43	
	60.00	90.00	1	30.00	7.40	7.40	7.40	0.05	11.10	
	90.00	120.00	1	30.00	7.40	6.70	7.05	0.05	10.58	
	120.00	150.00	1	30.00	6.70	7.10	6.90	0.05	10.35	
	150.00	180.00	1	30.00	7.10	7.10	7.10	0.05	10.65	
	180.00	210.00	1	30.00	7.10	7.00	7.05	0.05	10.58	
13th Cross Road ChikkSandra										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.80	6.50	6.15	0.05	9.23	
	30.00	60.00	1	30.00	6.50	6.30	6.40	0.05	9.60	
	60.00	90.00	1	30.00	6.30	6.90	6.60	0.05	9.90	
	90.00	120.00	1	30.00	6.90	7.10	7.00	0.05	10.50	
	120.00	150.00	1	30.00	7.10	7.00	7.05	0.05	10.58	
	150.00	180.00	1	30.00	7.00	6.80	6.90	0.05	10.35	
	180.00	210.00	1	30.00	6.80	6.80	6.80	0.05	10.20	
	210.00	213.00	1	3.00	6.80	6.70	6.75	0.05	1.01	
1st Main Road										
From 13th Cross Road	0.00	30.00	1	30.00	7.40	7.20	7.30	0.05	10.95	
	30.00	60.00	1	30.00	7.20	7.20	7.20	0.05	10.80	
	60.00	90.00	1	30.00	7.20	7.50	7.35	0.05	11.03	
	90.00	120.00	1	30.00	7.50	8.00	7.75	0.05	11.63	
	120.00	150.00	1	30.00	8.00	8.10	8.05	0.05	12.08	
	150.00	180.00	1	30.00	8.10	8.20	8.15	0.05	12.23	
	180.00	210.00	1	30.00	8.20	8.30	8.25	0.05	12.38	
	210.00	240.00	1	30.00	8.30	8.20	8.25	0.05	12.38	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
240.00	242.00	1	2.00	8.20	8.00	8.10	0.05	0.81	
AGB Layout Main Road									
0.00	30.00	1	30.00	9.00	9.10	9.05	0.05	13.58	}
30.00	60.00	1	30.00	9.10	9.00	9.05	0.05	13.58	
60.00	90.00	1	30.00	9.00	9.20	9.10	0.05	13.65	
90.00	120.00	1	30.00	9.20	9.10	9.15	0.05	13.73	
120.00	150.00	1	30.00	9.10	9.00	9.05	0.05	13.58	
150.00	180.00	1	30.00	9.00	9.00	9.00	0.05	13.50	
180.00	210.00	1	30.00	9.00	9.20	9.10	0.05	13.65	
210.00	240.00	1	30.00	9.20	9.40	9.30	0.05	13.95	
240.00	270.00	1	30.00	9.40	9.60	9.50	0.05	14.25	
270.00	300.00	1	30.00	9.60	9.00	9.30	0.05	13.95	}
300.00	327.00	1	27.00	9.00	9.00	9.00	0.05	12.15	
Total Qty Work Done								942.93	Cum

Assistant Engineer
Ward No. 12
BBMP-Bengaluru

Ass. Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE
DASARAH

DASARAHALLI DIVISION

name of the work : Restoration and Improvements of roads and drains in A Y R Layout, Shettyhalli village, RR
out of Chikkasandra village and Abigere village roads, BTS Village, Vishveshwariah village, Royal Enclave and
Medahalli Old Village roads Dugged by BWSSB to lay water Supply and UGD lines under 110 villages in ward No 12
& 14 Shettyhalli.

Measurement Sheet
First and Post

Item No:	21	Measurement Sheet								First and Last
Item Name:	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications- do - using 40-60 TPH capacity HMP with mechanical paver grading II Cum (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of									
CHAINAGE		NO's	L (m)	B1 (m)	B2 (m)	AvgB (m)	D (m)	QTY	REMARKS	
Land Mark										
Chikksandra (Asphalt Road)										
1st Cross Road										
From	0.00	30.00	1	30.00	4.50	4.60	4.55	0.03	4.10	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	0.03	4.10	
Main Road	60.00	86.00	1	26.00	4.50	4.50	4.50	0.03	3.51	
2nd Cross Road										
From	0.00	30.00	1	30.00	4.40	4.50	4.45	0.03	4.01	
Byralingappa	30.00	60.00	1	30.00	4.50	4.60	4.55	0.03	4.10	
Main Road	60.00	90.00	1	30.00	4.60	5.00	4.80	0.03	4.32	
	90.00	110.00	1	20.00	5.00	5.80	5.40	0.03	3.24	
3rd Cross Road										
From	0.00	30.00	1	30.00	5.20	5.20	5.20	0.03	4.68	
Byralingappa	30.00	60.00	1	30.00	5.20	5.10	5.15	0.03	4.64	
Main Road	60.00	90.00	1	30.00	5.10	5.20	5.15	0.03	4.64	
	90.00	120.00	1	30.00	5.20	5.20	5.20	0.03	4.68	
	120.00	141.00	1	21.00	5.20	5.10	5.15	0.03	3.24	
Connecting Road (Temple Road)										
From 3rd to 6th	0.00	30.00	1	30.00	5.50	5.60	5.55	0.03	5.00	
Cross Road	30.00	60.00	1	30.00	5.60	5.50	5.55	0.03	5.00	
	60.00	90.00	1	30.00	5.50	5.80	5.65	0.03	5.09	
	90.00	105.00	1	15.00	5.80	5.50	5.65	0.03	2.54	
4th Cross Road										
From	0.00	30.00	1	30.00	4.80	4.60	4.70	0.03	4.23	
Byralingappa	30.00	60.00	1	30.00	4.60	4.50	4.55	0.03	4.10	
Main Road	60.00	90.00	1	30.00	4.50	4.40	4.45	0.03	4.01	
	90.00	111.00	1	21.00	4.40	4.40	4.40	0.03	2.77	
5th Cross Road										
From Temple	0.00	30.00	1	30.00	5.40	5.50	5.45	0.03	4.91	
Road	30.00	60.00	1	30.00	5.50	5.50	5.50	0.03	4.95	
	60.00	90.00	1	30.00	5.50	5.60	5.55	0.03	5.00	
	90.00	117.00	1	27.00	5.60	5.60	5.60	0.03	4.54	
6th Cross Road										

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
From Byralingappa Main Road	0.00	30.00	1	30.00	5.60	5.60	5.60	0.03	5.04	
	30.00	60.00	1	30.00	5.60	5.80	5.70	0.03	5.13	
	60.00	90.00	1	30.00	5.80	6.00	5.90	0.03	5.31	
	90.00	120.00	1	30.00	6.00	6.40	6.20	0.03	5.58	
7th Cross Road										
From Byralingappa Main Road	0.00	30.00	1	30.00	5.70	6.10	5.90	0.03	5.31	
	30.00	60.00	1	30.00	6.10	6.10	6.10	0.03	5.49	
	60.00	90.00	1	30.00	6.10	6.20	6.15	0.03	5.54	
	90.00	120.00	1	30.00	6.20	6.00	6.10	0.03	5.49	
	120.00	150.00	1	30.00	6.00	5.60	5.80	0.03	5.22	
	150.00	154.00	1	4.00	5.60	5.55	5.58	0.03	0.67	
10th Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	4.60	4.80	4.70	0.03	4.23	
	30.00	60.00	1	30.00	4.80	5.10	4.95	0.03	4.46	
	60.00	90.00	1	30.00	5.10	5.00	5.05	0.03	4.55	
	90.00	120.00	1	30.00	5.00	5.10	5.05	0.03	4.55	
	120.00	150.00	1	30.00	5.10	5.00	5.05	0.03	4.55	
	150.00	180.00	1	30.00	5.00	4.80	4.90	0.03	4.41	
	180.00	210.00	1	30.00	4.80	4.80	4.80	0.03	4.32	
	210.00	224.00	1	14.00	4.80	4.70	4.75	0.03	2.00	
2nd Main Road										
From 8th Cross Road	0.00	30.00	1	30.00	6.90	7.20	7.05	0.03	6.35	
	30.00	38.00	1	8.00	7.20	7.40	7.30	0.03	1.75	
Parking Area	0.00	2.00	1	2.00	13.90	13.00	13.45	0.03	0.81	
Towards Aparatment	0.00	30.00	1	30.00	6.20	6.40	6.30	0.03	5.67	
	30.00	60.00	1	30.00	6.40	6.00	6.20	0.03	5.58	
5th Cross Road										
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.03	3.74	
4th Cross Road										
From 2nd Main Road	0.00	30.00	1	30.00	4.10	4.20	4.15	0.03	3.74	
	30.00	60.00	1	30.00	4.20	4.50	4.35	0.03	3.92	
	60.00	64.00	1	4.00	4.50	4.50	4.50	0.03	0.54	
4th Cross Road (LHS)										
From 4th Cross Road	0.00	23.00	1	23.00	4.10	3.90	4.00	0.03	2.76	
Diamond Enclave Front Road										
From 2nd Main Road	0.00	30.00	1	30.00	3.70	4.00	3.85	0.03	3.47	
	30.00	36.80	1	6.80	4.00	4.40	4.20	0.03	0.86	
1st Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.60	5.50	5.55	0.03	5.00	
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.03	5.00	
	60.00	90.00	1	30.00	5.60	5.60	5.60	0.03	5.04	
2nd Cross Road										
From Sapthagiri Main Road	0.00	30.00	1	30.00	5.50	5.50	5.50	0.03	4.95	
	30.00	60.00	1	30.00	5.50	5.60	5.55	0.03	5.00	